

5

ABSTRACT

A mobile phone (1) comprises communication means (3, 5) for communicating via a telephone communication network (40), wherein the telephone communication network (40) comprises a plurality of stationary base stations (41, 42, 43, 44), detection means (3) for detecting both a strength value corresponding to the strength of a signal (61) received from the present base station (44) and an identification code of the present base station (44), position information reception means (2, 4) for continuously or intermittently receiving an information signal of a satellite-based positioning system (31, 32, 33), first computation means (2) for continuously or intermittently computing the current position of the mobile phone (1) based on the signal received by the position information reception means (2, 4) and first storage means (20) for storing the positions computed by the first computation means (2) as first position values.

A mobile phone (1) further comprises second computation means (6) for continuously or intermittently computing the current position of the mobile phone (1) based on the strength value and the identification code detected by the detection means (3) and second storage means (20) for storing the positions computed by the second computation means (6) as second position values.

35 (Fig. 1)